

**UNITED STATES DEPARTMENT OF COMMERCE****Patent and Trademark Office** *DB* *RD*Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
-----------------	-------------	----------------------	---------------------

09/479,795 01/10/00 LUNDIN

D 53714USA6B

EXAMINER

MM92/0222

ATTN STEPHEN W BUCKINGHAM  
OFFICE OF INTELLECTUAL PROPERTY COUNSEL  
3M INNOVATIVE PROPERTIES COMPANY  
P O BOX 33427  
ST PAUL MN 55133-3427

TSO.L

ART UNIT

PAPER NUMBER

2875

DATE MAILED:

02/22/01

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

09/27/97 795

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
--------------------	-------------	-----------------------	---------------------

EXAMINER
----------

ART UNIT	PAPER NUMBER
----------	--------------

3

DATE MAILED:

This is a communication from the examiner in charge of your application.  
COMMISSIONER OF PATENTS AND TRADEMARKS

**OFFICE ACTION SUMMARY**

- ☐ Responsive to communication(s) filed on \_\_\_\_\_
- ☐ This action is **FINAL**.
- ☒ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 D.C. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire five month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

**Disposition of Claims**

- ☒ Claim(s) 1-18 is/are pending in the application.
- Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- ☒ Claim(s) 1-18 is/are allowed.
- ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

**Application Papers**

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- ☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. § 119**

- ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been
- ☐ received.
- ☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_
- ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

- ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

**Attachment(s)**

- ☒ Notice of Reference Cited, PTO-892
- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 2
- ☐ Interview Summary, PTO-413
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Notice of Informal Patent Application, PTO-152

— SEE OFFICE ACTION ON THE FOLLOWING PAGES —

Art Unit: 2875

**DETAILED ACTION**

***Ex Parte Quayle Action***

1. This application is in condition for allowance except for the following formal matters:
  - A. The information disclosure statement filed 1/10/00 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each foreign patent or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. An additional information disclosure statement should be refiled listing the references which have been crossed off the above filing and corresponding copies of the references should be sent.
  - B. The disclosure should be carefully reviewed to ensure that any and all grammatical, idiomatic, and spelling or other minor errors are corrected.
  - C. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the circular cross-section of claim 3 and the predetermined shape of claim 18 must be shown or the features canceled from the claims. No new matter should be entered.

Art Unit: 2875

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

***Allowable Subject Matter***

2. Claims 1-18 are allowed.

3. The following is a statement of reasons for the indication of allowable subject matter:

Prior art fails to show or suggest an illumination device comprising a light guide including a core having a optically smooth surface, at least one light extraction structure located along the surface of the core including an optically reflective surface extending into the core as claimed, and a diffuse reflective material disposed around a portion of the light guide to direct a portion of the light reflected by the extraction structure back through the core so that the light is emitted the emitting region of the smooth surface.

Art Unit: 2875

*Conclusion*

4. Any inquiry concerning this communication should be directed to the Examiner at the below-listed number on **Monday between 5:30am - 2:00pm, EST; Wednesday and Friday between 5:30am-9:30am, EST. Personal interviews may be accommodated anytime on a limited basis.**

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Sandra O'Shea, can be reached on 703 305 4939. The fax numbers for this Technology Center 2800 are 703 305 3432 and 703 308 7722.

Any inquiry of a general nature or relating to the status of this application should be directed to the receptionist whose telephone number is 703 308 0956, Monday-Friday, 830am to 5:00pm, EST.

By: Laura Tso  
LAURA TSO  
Primary Examiner  
703 305 1672